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TI N-Alkylactams

IN Otake, Masayuki; Fukushima, Isamu; Fujita, Koichi

PA Mitsubishi Chemical Industries Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

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AB Title lactams I (R1-2 = H, C1-4 alkyl; R3 = H; n = 2-4) were prepd. by hydrogenolysis of I (R3 = OH) in acidic water medium to prevent decompn. of the products. Thus, I (R1 = R2 = H, R3 = OH, n = 3) was autoclaved in aq. H3PO4 contg. Pd/C at 150.degree. and 100 kg/cm2 H for 4 h to give 87.23% I (R1 = R2 = R3 = H, n = 3) and 1.1% 2-pyrrolidone at 100% conversion vs. 61.83%, 24.44%, and 97.65%, resp., for the control solvent without H3PO4.

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DT Patent

LA Japanese